

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Donald F. Hooper, et al. Art Unit: 2155
Serial No.: 09/626,535 Examiner: David Y. Eng
Filed : July 27, 2000
Assignee : Intel Corporation
Title : MULTI-THREADED SCHEDULED RECEIVE FOR FAST NETWORK
PORT DATA

MAIL STOP RCE

Commissioner for Patents
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Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Applicants call attention to the attached Information Disclosure Statement and documents listed on form PTO-1449.

This filing is being made with a Request for Continued Examination. No fee is required.

The documents are in the English language; hence no concise explanation is necessary per Rule 98(a)(3).

Consideration of the foregoing and enclosures plus the return of a copy of the enclosed form PTO-1449 with the Examiner's initials in the left column per MPEP 609 are earnestly solicited along with an early action on the merits.

Please apply any credits or additional charges to deposit account 06-1050.

Respectfully submitted,

Date: March 20, 2007

/Scott C Harris/
Scott C. Harris
Reg. No. 32,030
Attorney for Intel Corporation

Fish & Richardson P.C.
USPTO Customer No. **20985**
12390 El Camino Real
San Diego, CA 92130
Telephone: (858) 678-5070
Facsimile: (858) 678-5099

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10559-137002	Application No. 09/626,535
Information Disclosure Statement by Applicant (Use several sheets if necessary)		Applicant Donald F. Hooper, et al.	
(37 CFR §1.98(b))		Filing Date July 27, 2000	Group Art Unit 2155

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	2004/0073778	04/2004	Adiletta et al.			
	AB	3,373,408	03/1968	Ling			
	AC	3,478,322	11/1969	Evans			
	AD	3,792,441	02/1974	Wymore et al.			
	AE	3,940,745	02/1976	Sajeva			
	AF	4,130,890	12/1978	Adam			
	AG	4,400,770	08/1983	Chan et al.			
	AH	4,514,807	04/1985	Nogi			
	AI	4,523,272	06/1985	Fukunaga et al.			
	AJ	4,745,544	05/1988	Renner et al.			
	AK	4,866,664	09/1989	Burkhardt, Jr. et al.			
	AL	5,140,685	08/1992	Sipple et al.			
	AM	5,142,683	08/1992	Burkhardt, Jr. et al.			
	AN	5,155,831	10/1992	Emma et al.			
	AO	5,155,854	10/1992	Flynn et al.			
	AP	5,168,555	12/1992	Byers et al.			
	AQ	5,173,897	12/1992	Schrodi et al.			
	AR	5,255,239	10/1993	Taborn et al.			
	AS	5,263,169	11/1993	Genusov et al.			
	AT	5,347,648	09/1994	Stamm et al.			
	AU	5,367,678	11/1994	Lee et al.			
	AV	5,390,329	02/1995	Gaertner et al.			
	AW	5,392,391	02/1995	Caulk, Jr. et al.			
	AX	5,392,411	02/1995	Ozaki			
	AY	5,392,412	02/1995	McKenna			
	AZ	5,404,482	04/1995	Stamm et al.			
	BA	5,432,918	07/1995	Stamm			

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U.S. Patent Documents

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	BB	5,448,702	09/1995	Garcia, Jr. et al.			
	BC	5,450,351	09/1995	Heddes			
	BD	5,452,437	09/1995	Richey et al.			
	BE	5,459,842	10/1995	Begun et al.			
	BF	5,463,625	10/1995	Yasarebi			
	BG	5,467,452	11/1995	Blum et al.			
	BH	5,517,648	05/1996	Bertone et al.			
	BI	5,542,070	07/1996	LeBlanc et al.			
	BJ	5,542,088	07/1996	Jennings, Jr. et al.			
	BK	5,544,236	08/1996	Andruska et al.			
	BL	5,550,816	08/1996	Hardwick et al.			
	BM	5,557,766	09/1996	Takiguchi et al.			
	BN	5,568,617	10/1996	Kametani			
	BO	5,574,922	11/1996	James			
	BP	5,592,622	01/1997	Isfeld et al.			
	BQ	5,613,071	03/1997	Rankin et al.			
	BR	5,613,136	03/1997	Casavant et al.			
	BS	5,623,489	04/1997	Cotton et al.			
	BT	5,644,623	07/1997	Gulledge			
	BU	5,649,157	07/1997	Williams			
	BV	5,659,687	08/1997	Kim et al.			
	BW	5,680,641	10/1997	Sidman			
	BX	5,689,566	11/1997	Nguyen			
	BY	5,699,537	12/1997	Sharangpani et al.			
	BZ	5,717,898	02/1998	Kagan et al.			
	CA	5,721,870	02/1998	Matsumoto			
	CB	5,742,587	04/1998	Zornig et al.			

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U.S. Patent Documents

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	CC	5,742,782	04/1998	Ito et al.			
	CD	5,742,822	04/1998	Motomura			
	CE	5,745,913	04/1998	Pattin et al.			
	CF	5,751,987	05/1998	Mahant-Shetti et al.			
	CG	5,761,507	06/1998	Govett			
	CH	5,761,522	06/1998	Hisanaga et al.			
	CI	5,781,774	07/1998	Krick			
	CJ	5,784,649	07/1998	Begur et al.			
	CK	5,784,712	07/1998	Byers et al.			
	CL	5,796,413	08/1998	Shipp et al.			
	CM	5,797,043	08/1998	Lewis et al.			
	CN	5,809,235	09/1998	Sharma et al.			
	CO	5,809,530	09/1998	Samra et al.			
	CP	5,812,868	09/1998	Moyer et al.			
	CQ	5,828,746	10/1998	Ardon			
	CR	5,828,863	10/1998	Barrett et al.			
	CS	5,832,215	11/1998	Kato et al.			
	CT	5,835,755	11/1998	Stellwagen, Jr.			
	CU	5,854,922	12/1998	Gravenstein et al.			
	CV	5,860,158	01/1999	Pai et al.			
	CW	5,886,992	03/1999	Raatikainen et al.			
	CX	5,887,134	03/1999	Ebrahim			
	CY	5,890,208	03/1999	Kwon			
	CZ	5,892,979	04/1999	Shiraki et al.			
	DA	5,905,876	05/1999	Pawlowski et al.			
	DB	5,905,889	05/1999	Wilhelm, Jr.			
	DC	5,915,123	06/1999	Mirsky et al.			

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	DD	5,937,187	08/1999	Kosche et al.			
	DE	5,940,612	08/1999	Brady et al.			
	DF	5,940,866	08/1999	Chisholm et al.			
	DG	5,946,487	08/1999	Dangelo			
	DH	5,948,081	09/1999	Foster			
	DI	5,958,031	09/1999	Kim			
	DJ	5,961,628	10/1999	Nguyen et al.			
	DK	5,970,013	10/1999	Fischer et al.			
	DL	5,978,838	11/1999	Mohamed et al.			
	DM	5,983,274	11/1999	Hyder et al.			
	DN	6,012,151	01/2000	Mano			
	DO	6,014,729	01/2000	Lannan et al.			
	DP	6,023,742	02/2000	Ebeling et al.			
	DQ	6,058,168	05/2000	Braband			
	DR	6,067,585	05/2000	Hoang			
	DS	6,070,231	05/2000	Ottinger			
	DT	6,072,781	06/2000	Feehey et al.			
	DU	6,073,215	06/2000	Snyder			
	DV	6,079,008	06/2000	Clery, III			
	DW	6,085,294	07/2000	Van Doren et al.			
	DX	6,092,127	07/2000	Tausheck			
	DY	6,092,158	07/2000	Harriman et al.			
	DZ	6,112,016	08/2000	MacWilliams et al.			
	EA	6,134,665	10/2000	Klein et al.			
	EB	6,141,689	10/2000	Ysrebi			
	EC	6,141,765	10/2000	Sherman			
	ED	6,144,669	11/2000	Williams et al.			

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U.S. Patent Documents

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	EE	6,145,054	11/2000	Mehrotra et al.			
	EF	6,157,955	12/2000	Narad et al.			
	EG	6,160,562	12/2000	Chin et al.			
	EH	6,182,177	01/2001	Harriman			
	EI	6,195,676	02/2001	Spix et al.			
	EJ	6,199,133	03/2001	Schnell			
	EK	6,201,807	03/2001	Prasanna			
	EL	6,212,542	04/2001	Kahle et al.			
	EM	6,212,611	04/2001	Nizar et al.			
	EN	6,216,220	04/2001	Hwang			
	EO	6,223,207	04/2001	Lucovsky et al.			
	EP	6,223,238	04/2001	Meyer et al.			
	EQ	6,223,279	04/2001	Nishimura et al.			
	ER	6,247,025	06/2001	Bacon			
	ES	6,256,713	07/2001	Audityan et al.			
	ET	6,272,616	08/2001	Fernando et al.			
	EU	6,275,505	08/2001	O'Loughlin et al.			
	EV	6,279,113	08/2001	Vaidya			
	EW	6,289,011	09/2001	Seo et al.			
	EX	6,298,370	10/2001	Tang et al.			
	EY	6,307,789	10/2001	Wolrich et al.			
	EZ	6,324,624	11/2001	Wolrich et al.			
	FA	6,345,334	02/2002	Nakagawa et al.			
	FB	6,347,344	02/2002	Baker et al.			
	FC	6,356,962	03/2002	Kasper et al.			
	FD	6,360,262	03/2002	Guenther et al.			
	FE	6,389,449	05/2002	Nemirovsky et al.			

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	FF	6,393,483	05/2002	Latif et al.			
	FG	6,415,338	05/2002	Habot			
	FH	6,426,940	07/2002	Seo et al.			
	FI	6,427,196	07/2002	Adiletta et al.			
	FJ	6,430,626	08/2002	Witkowski et al.			
	FK	6,434,145	08/2002	Opsasnick et al.			
	FL	6,463,072	10/2002	Wolrich et al.			
	FM	6,532,509	03/2003	Wolrich et al.			
	FN	6,552,826	04/2003	Adler et al.			
	FO	6,560,667	05/2003	Wolrich et al.			
	FP	6,577,542	06/2003	Wolrich et al.			
	FQ	6,584,522	06/2003	Wolrich et al.			
	FR	6,587,906	07/2003	Wolrich et al.			
	FS	6,606,704	08/2003	Adiletta et al.			
	FT	6,625,654	09/2003	Wolrich et al.			
	FU	6,631,430	10/2003	Wolrich et al.			
	FV	6,631,462	10/2003	Wolrich et al.			
	FW	6,667,920	12/2003	Wolrich et al.			
	FX	6,668,317	12/2003	Bernstein et al.			
	FY	6,681,300	01/2004	Wolrich et al.			
	FZ	6,694,380	02/2004	Wolrich et al.			

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	GA	0 379 709	08/1990	EPO				
	GB	0 464 715	01/1992	EPO				
	GC	0 633 678	01/1995	EPO				

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	GD	0 745 933	12/1996	EPO				
	GE	0 809 180	11/1997	EPO				

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	GF	Byrd et al., "Multithread Processor Architectures," <i>IEEE Spectrum</i> , 32(8):38-46, New York, August 1995.
	GG	Doyle et al., <i>Microsoft Press Computer Dictionary</i> , 2 nd ed., Microsoft Press, Redmond, Washington, USA, p. 326, (1994).
	GH	Fillo et al., "The M-Machine Multicomputer," <i>IEEE Proceedings of MICRO-28</i> , pp. 146-156, (1995).
	GI	Gomez et al., "Efficient Multithreaded User-Space Transport for Network Computing: Design and Test of the TRAP Protocol," <i>Journal of Parallel and Distributed Computing</i> , Academic Press, Duluth, Minnesota, USA, 40(1):103-117, January 1997.
	GJ	Haug et al., "Reconfigurable hardware as shared resource for parallel threads," <i>IEEE Symposium on FPGAs for Custom Computing Machines</i> , 2 pages, (1998).
	GK	Hauser et al., "Garp: a MIPS processor with a reconfigurable coprocessor," <i>Proceedings of the 5th Annual IEEE Symposium on Field-Programmable Custom Computing Machines</i> , pp. 12-21, (1997).
	GL	Hyde, R., "Overview of Memory Management," <i>Byte</i> , 13(4):219-225, (1988).
	GM	Litch et al., "StrongARMing Portable Communications," <i>IEEE Micro</i> , pp. 48-55, (1998).
	GN	Schmidt et al., "The Performance of Alternative Threading Architectures for Parallel Communication Subsystems," Internet Document, <i>Online!</i> , 13 November 1998, pages 1-19.
	GO	Thistle et al., "A Processor Architecture for Horizon," <i>IEEE Proc. Supercomputing '88</i> , pp. 35-41, (1988).
	GP	Tremblay et al., "A Three Dimensional Register File for Superscalar Processors," <i>IEEE Proceedings of the 28th Annual Hawaii International Conference on System Sciences</i> , pp. 191-201, (1995).
	GQ	Trimberger et al., "A time-multiplexed FPGA," <i>Proceedings of the 5th Annual IEEE Symposium on Field-Programmable Custom Computing Machines</i> , pp. 22-28, (1997).
	GR	Turner et al., "Design of a High Performance Active Router," Internet Document, <i>Online!</i> , 20 pages, 18 March 1999.
	GS	Wazlowski et al., "PRSIM-II computer and architecture," <i>IEEE Proceedings, Workshop on FPGAs for Custom Computing Machines</i> , pp. 9-16, (1993).
	GT	U.S. Patent Application No. 09/473,571, filed December 28, 1999, Wolrich et al.
	GU	U.S. Patent Application No. 09/475,614, filed December 30, 1999, Wolrich et al.

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